# International Orthopaedics

Volume 23 1999

# SICOT

Official Journal of the Société Internationale de Chirurgie Orthopédique et de Traumatologie

Springer International

It is a fundamental condition that submitted manuscripts have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher if and when the article is accepted for publication. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature, and translations. Photographic reproduction, microform, or any other reproduction of text, figures, or tables from this journal is prohibited without permission obtained from the publisher. The use of general descriptive names, trade names, trade marks, etc., in this publication, even if the former are not specifically identified, is not to be taken as a sign that such names are exempt from the relevant protective laws and regulations and may accordingly be used freely by anyone.
While the advice and information in this journal is believed to be true and accurate at the date of its going to press, neither the authors nor the editors nor the publisher can accept any legal responsibility for errors or omissions that may have been made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

*Special regulations for photocopies* in the USA:
Photocopies may be made for personal or inhouse use beyond the limitations stipulated under Section 107 or 108 of U.S. Copyright Law, provided a fee is paid. All fees should be paid to the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA, stating the ISSN 0341-2695, the volume, and the first and the last page numbers of each article copied. The copyright owner's consent does not include copying for general distribution, promotion, new works, or resale. In these cases, specific written permission must first be obtained from the publisher.

Typesetters and printers: Stürtz AG, 97080 Würzburg, Germany

© Springer-Verlag GmbH, Berlin Heidelberg 1999

# Volume 23 1999

No. 1 1– 72 issued in March 1999
No. 2 73–132 issued in May 1999
No. 3 133–192 issued in August 1999
No. 4 193–252 issued in October 1999
No. 5 253–312 issued in November 1999
No. 6 313–370 issued in December 1999

Page

A

**Abudu A, Grimer RJ, Tillman RM, Carter SR:** Endoprosthetic replacement of the distal tibia and ankle joint for aggressive bone tumours ..... 291
**Adachi N → Sumen Y**
**Agarwal A → Anand S**
**Aggarwal A → Jain AK**
**Agildere M → Tuncay IC**
**Aithal VK, Bhaskaranand K:** Osteochondroma of the first rib presenting as a prominent clavicle. A report of 2 cases ..... 66
**Akiyoshi Y, Naito M, Takagishi H, Imai K, Ogata K:** Blood flow of the gluteus medius muscle. An animal study 202
**Aktas S, Saridogan K, Moralar U, Ture M:** Patterns of single segment non-physeal extremity fractures in children ..... 345
**Alfaro-Adrian J, Gill HS, Marks BE, Murray DW:** Mid-term migration of a cemented total hip replacement assessed by radiostereometric analysis ..... 140
**Anand S, Maini L, Agarwal A, Singh T, Dhal AK, Dhaon BK:** Spinal epidural abscess – a report of six cases 175
**Anastopoulos G → Konstantoulakis C**
**Andersen KS:** Antoni Trias ..... 22
**Andersen KS:** Redundant publication ..... 313
**Anglés F → Pons M**
**Anract P → Jeanrot C**
**Antal I, Sápi Z, Szendröi M:** The prognostic significance of DNA cytophotometry and proliferation index in giant cell tumors of bone ..... 315
**Antolič V, Stražar K, Pompe B, Pavločič V, Vengust R, Stanič U, Jeraj J:** Increased muscle stiffness after anterior cruciate ligament reconstruction – memory or injury? ..... 268
**Arıkan M → Kımık H**
**Arenas A, Tejero A, Garbayo A, Arias C, Barbadillo J, Lecumberri J:** Ceramic femoral head fractures in total hip replacement ..... 351
**Arias C → Arenas A**
**Arnez Z → Pavlocic V**
**Asayama I → Naito M**
**Ashcroft GP → Sutherland AG**
**Ashwood N → Calder JDF**
**Asimakopoulos A → Konstantoulakis C**
**Atalar AC → Demirhan M**
**Aydin AT → Gür S**

B

**Babin SR → Simon P**
**Barbadillo J → Arenas A**
**Barbieri CH, Mazzer N, Mazer MR:** Use of a delayed cortical bone graft to treat diaphyseal defects in the forearm ..... 295
**Barden R, Löer F, Fitzek JG:** Intertrochanteric osteotomy with a short intramedullary locking nail ..... 337
**Barletta V → Perugia D**
**Basile A → Perugia D**

Page

**Benito Caparros M → Ribera Zabalbeascoa J**
**Bertrand ML → Cara JA**
**Bhaskaranand K → Aithal VK**
**Bistour L → Simon P**
**Bjerregaard B → Stephenson SL**
**Bobyn JD → Rosenthall L**
**Boss A-P, Hintermann B:** Primary endoprosthesis in comminuted humeral head fractures in patients over 60 years of age ..... 172
**Bostrom MPG → Tolo ET**
**Bretschneider C → Volkmann R**
**Brocai DRC → Simank H-G**

C

**Calder JDF, Ashwood N, Hollingdale JP:** Survivorship analysis of the "Performance" total knee replacement – 7-year follow-up ..... 100
**Caparros AB, Sousa M, Ribera Zabalbeascoa J, Uceda Carrascosa P, Moyal Corral F:** Total hip arthroplasty for tuberculous coxitis ..... 348
**Cara JA, Narváez A, Bertrand ML, Guerado E:** Acute atraumatic compartment syndrome in the leg ..... 61
**Carter SR → Abudu A**
**Chen W-C:** Complete fracture-dislocation of the lumbar spine without paraplegia ..... 355
**Cho J-L, Park Y-S, Kim Y-H:** Tetraparesis associated with ossification of the posterior longitudinal ligament of the cervical spine ..... 247
**Cho SH → Song HR**
**Choudri AH → Gibbons CER**
**Cinotti G → Gumina S**
**Coerper S → Eingartner C**
**Contreras-Porta J → Delgado-Baeza E**
**Cooke TDV → Hamdi N**
**Cornell CM → Tolo ET**
**Courpied JP → Pacault-Legendre V**
**Courpied J-P → Vastel L**
**Cuchi E → Pons M**
**Cumming W:** Australian orthopaedics overseas ..... 12
**Cuny C → Scarlat MM**
**Currie D → Gerrand CH**

D

**Dan'ura T → Ozaki T**
**De Boeck H, Opdecam P:** Split coronal fractures of the lumbar spine. Treatment by posterior internal fixation and transpedicular bone grafting ..... 87
**De Ponti A → Sansone V**
**Deie M → Sumen Y**
**Dejean O → Vastel L**
**Delgado-Baeza E, Utrilla-Mainz V, Contreras-Porta J, Santos-Alvarez I, Martos-Rodríguez A:** Mechanoreceptors in collateral knee ligaments: an animal experiment 168
**Demirhan B → Tuncay IC**
**Demirhan M, Eralp L, Atalar AC:** Synovial chondromatosis of the subcoracoid bursa ..... 358

Page

**Demirörs H → Tuncay IC**
**DeWitte O → Veipel V**
**Dhal AK → Anand S**
**Dhaon BK → Anand S**
**Dietze A → Olms K**
**Dinopoulos HT, Giannoudis PV, Smith RM, Matthews SJ:** Bilateral anterior shoulder fracture-dislocation. A case report and a review of the literature ..... 128
**Dolinar D → Pavlocic V**
**Dowling F → Nicholson P**
**D'Arcy S → Sutherland AG**
**D'Arienzo M → Rosa MA**
**Dümmer RE, Sanzana ES:** Hip dislocations associated with ipsilateral femoral neck fracture ..... 353

E

**Eingartner C, Coerper S, Fritz J, Gaissmaier C, Koveker G, Weise K:** Growth factors in distraction osteogenesis. Immune-histological pattern of TGF-β1 and IGF-I in human callus induced by distraction osteogenesis ..... 253
**Eralp L → Demirhan M**
**Ewerbeck V → Geiger F**

F

**Fayomi O, Patel JV, Percival N:** Soft tissue cover for the exposed knee prosthesis ..... 51
**Ferrer H → Pons M**
**Filler T → Jerosch J**
**Fini M → Torricelli P**
**Fitzek JG → Barden R**
**Fogarty M:** Australia and its orthopaedic association ..... 4
**Forcada P → Pons M**
**Forest M → Jeanrot C**
**Forgarty E → Nicholson P**
**Fritz J → Eingartner C**
**Fukuda H → Oka Y**
**Fukui N → Katsuragawa Y**

G

**Gaissmaier C → Eingartner C**
**Galindo E → Rodriguez-Merchan EC**
**Garbayo A → Arenas A**
**Garcés GL, Gónzalez-Montoro I, Rasines JL, Santonja F:** Early diagnosis of stress fracture of the lumbar spine in athletes ..... 213
**Geiger F, Schneider U, Lukoschek M, Ewerbeck V:** External fixation in proximal tibial osteotomy: a comparison of three methods ..... 160
**Gerrand CH, Currie D, Grigoris P, Reid R, Hamblen DL:** Prosthetic reconstruction of the femur for primary bone sarcoma ..... 286
**Giannoudis PV → Dinopoulos HT**
**Giannoudis PV → Shardlow DL**
**Giardino R → Torricelli P**
**Giavaresi G → Torricelli P**
**Gibbons CER, Gosal HS, Choudri AH:** Magnussen, P A Trapeziectomy for basal thumb joint osteo-arthritis: 3- to 19-year follow-up ..... 216
**Gill HS → Alfaro-Adrian J**
**Goldberg BA → Scarlat MM**
**Gónzalez-Montoro I → Garcés GL**
**Gosal HS → Gibbons CER**
**Graichen H, Koydl P, Zichner L:** Effectiveness of glenoid osteotomy in atraumatic posterior instability of the shoulder associated with excessive retroversion and flatness of the glenoid ..... 95

Page

**Grigoris P → Gerrand CH**
**Grimer RJ → Abudu A**
**Guerado E → Cara JA**
**Gumina S, Postacchini F, Orsina L, Cinotti G:** The morphometry of the coracoid process – its aetiologic role in subcoracoid impingement syndrome ..... 198
**Gür S, Yilmaz H, Tüzüner S, Aydin AT, Süleymanlar G:** Fractures due to hypocalcemic convulsion ..... 308

H

**Hamblen DL → Gerrand CH**
**Hamdi N, Cooke TDV, Hassan B:** Ochronotic arthopathy: case report and review of the literature ..... 122
**Haraguchi K → Sakai T**
**Harryman II DT → Scarlat MM**
**Hassan B → Hamdi N**
**Hasselbach C von → Jerosch J**
**Higgins T → Nicholson P**
**Hintermann B → Boss A-P**
**Hirasawa Y → Takai S**
**Hollingdale JP → Calder JDF**
**Hukuda S → Inoue K**

I

**Ihezue CH → Onuminya JE**
**Ikuta Y → Sumen Y**
**Imai K → Akiyoshi Y**
**Inoue H → Ozaki T**
**Inoue K, Ushiyama T, Tani Y, Hukuda S:** Sociodemographic factors and failure of hip arthroplasty ..... 330
**Isiklar ZU → Tuncay IC**
**Iwamoto A → Sakai H**

J

**Jain AK, Aggarwal A, Mehrotra G:** Correlation of canal encroachment with neurological deficit in tuberculosis of the spine ..... 85
**Järvelä T, Nyyssönen M, Kannus P, Paakkala T, Järvinen M:** Bone-patellar tendon-bone reconstruction of the anterior cruciate ligament. A long-term comparison of early and late repair ..... 227
**Järvinen M → Järvelä T**
**Jeanrot C, Ouaknine M, Anract P, Forest M, Tomeno B:** Massive pelvic and femoral pseudotumoral osteolysis secondary to an uncemented total hip arthroplasty ..... 37
**Jeong ST → Song HR**
**Jeraj J → Antolič V**
**Jerosch J, Peuker E, Hasselbach C von, Lahmer A, Filler T, Witzel U:** Computer assisted implantation of the femoral stem in THA – an experimental study ..... 224
**Jobard D → Simon P**

K

**Kanai H, Takatori Y, Nakamura S, Morimoto S:** Colonna capsular arthroplasty: a 33-year follow-up of four patients ..... 145
**Kaneko S → Ozaki T**
**Kannus P → Järvelä T**
**Katsuragawa Y, Fukui N, Nakamura K:** Change of bone mineral density with valgus knee bracing ..... 164
**Kawai A → Ozaki T**
**Kımık H, Oktay O, Arıkan M, Mergen E:** Medial subtalar dislocation ..... 366
**Kerboull L → Vastel L**
**Kerboull M → Vastel L**
**Kim Y-H → Cho J-L**

Page

**Kim Y-H → Park T-S**
**Kladny B, Martus P, Schwiwy-Bochat K-H, Weseloh G, Swoboda B:** Measurement of cartilage thickness in the human knee-joint bymagnetic resonance imaging using a three-dimensional gradient-echo sequence ..... 264
**Konstantoulakis C, Anastopoulos G, Papaeliou A, Tsoutsanis A, Asimakopoulos A:** Uncemented total hip arthroplasty in the elderly ..... 334
**Koo KH → Song HR**
**Kovalenko KN → Mushkin AY**
**Koveker G → Eingartner C**
**Koydl P → Graichen H**
**Kremling E → Martini F**
**Kunisada T → Ozaki T**
**Kunz W → Martini F**
**Kurosaka M, Yagi M, Yoshiya S, Muratsu H, Mizuno K:** Efficacy of the axially loaded pivot shift test for the diagnosis of a meniscal tear ..... 271

L

**Lahmer A → Jerosch J**
**Lecumberri J → Arenas A**
**LePallec JP → Veipel V**
**Löer F → Barden R**
**Lukoschek M → Geiger F**
**Lukoschek M → Simank H-G**
**Lyden JP → Tolo ET**

M

**Maccauro G → Rosa MA**
**Maini L → Anand S**
**Marks BE → Alfaro-Adrian J**
**Martini F, Kremling E, Kunz W:** Symptomatic bucket handle tear of the lateral meniscus after knee arthroplasty ..... 310
**Martini F, Kremling E, Schmidt B, Sell S, Mayer F:** Bone mineral density of the proximal femur after unilateral cementless total hip replacement ..... 104
**Martos-Rodríguez A → Delgado-Baeza E**
**Martus P → Kladny B**
**Massoni C → Perugia D**
**Matamala A → Pons M**
**Matsen FA → Scarlat MM**
**Matthews SJ → Dinopoulos HT**
**Matthews SJ → Shardlow DL**
**Mayer F → Martini F**
**Mazer MR → Barbieri CH**
**Mazzer N → Barbieri CH**
**Mehrotra G → Jain AK**
**Mella Sousa M → Ribera Zabalbeascoa J**
**Mergen E → Kınık H**
**Mizuno K → Kurosaka M**
**Mizuno K → Yamamoto T**
**Moore D → Nicholson P**
**Moralar U → Aktas S**
**Moreau PG → Sanjay BKS**
**Morimoto S → Kanai H**
**Morimoto S → Nakamura S**
**Moro T → Nakamura S**
**Moyal Corral F → Caparros AB**
**MRC Working Party on Tuberculosis of the Spine:** Five-year assessment of controlled trials of short-course chemotherapy regimens of 6, 9 or 18 months' duration for spinal tuberculosis in patients ambulatory from the start or undergoing radical surgery. Fourteenth report of the Medical Research Council Working Party on Tuberculosis of the Spine ..... 73
**Muratsu H → Kurosaka M**

Page

**Murray DW → Alfaro-Adrian J**
**Mushkin AY, Kovalenko KN:** Neurological complications of spinal tuberculosis in children ..... 210

N

**Naito M, Ogata K, Asayama I:** Intraoperative limb length measurement in total hip arthroplasty ..... 31
**Naito M → Akiyoshi Y**
**Naito N → Ozaki T**
**Nakamura K → Katsuragawa Y**
**Nakamura S, Takatori Y, Morimoto S, Umeyama T, Yamamoto M, Moro T, Ninomiya S:** Rotational acetabular osteotomy using biodegradable internal fixation ..... 148
**Nakamura S → Kanai H**
**Narváez A → Cara JA**
**Nawata K,, Teshima R, Ohno M, Takita T, Otuki K:** Discoid lateral menisci in older patients. A radiographic study of 21 cases ..... 232
**Nicholson P, Higgins T, Forgarty E, Moore D, Dowling F:** Three-dimensional spiral CT scanning in children with acute torticollis ..... 47
**Ninomiya S → Nakamura S**
**Nishii T → Sakai T**
**Nomura E:** Classification of lesions of the medial patellofemoral ligament in patellar dislocation ..... 260
**Nyyssönen M → Järvelä T**

O

**Obekpa PO → Onuminya JE**
**Ochi M → Sumen Y**
**Ochi T → Sakai T**
**Ogata K → Akiyoshi Y**
**Ogata K → Naito M**
**Ohno M → Nawata K,**
**Ohta K → Oka Y**
**Ohzono K → Sakai T**
**Oka Y:** Debridement for osteoarthritis of the elbow in athletes ..... 91
**Oka Y, Ohta K, Fukuda H:** Bone-peg grafting for osteochondritis dissecans of the elbow ..... 53
**Oktay O → Kınık H**
**Olms K, Dietze A:** Replacement arthroplasty for hallux rigidus. 21 patients with a 2-year follow-up ..... 240
**Onabowale BO → Onuminya JE**
**Onuminya JE, Onabowale BO, Obekpa PO, Ihezue CH:** Traditional bone setter's gangrene ..... 111
**Onwuasoigne O:** Fluconazole in the therapy of multiple osteomyelitis in African histoplasmosis ..... 82
**Opdecam P → De Boeck H**
**Orsina L → Gumina S**
**Otuki K → Nawata K,**
**Ouaknine M → Jeanrot C**
**Ozaki T, Kaneko S, Kunisada T, Kawai A, Dan'ura T, Naito N, Inoue H:** Reconstruction of the hip abductors after resection of the proximal femur ..... 182

P

**Paakkala T → Järvelä T**
**Pacault-Legendre V, Courpied JP:** Survey of patient satisfaction after total arthroplasty of the hip ..... 23
**Papaeliou A → Konstantoulakis C**
**Park T-S, Kim Y-H:** Modification of the Weaver-Dunn procedure ..... 113
**Park Y-S → Cho J-L**
**Patel JV → Fayomi O**
**Pavločič V → Antolič V**

Page

**Pavlocic V, Dolinar D, Arnez Z:** Femoral head necrosis treated with vascularized iliac crest graft ..... 150
**Percival N → Fayomi O**
**Perugia D, Basile A, Massoni C, Barletta V:** Haemangiopericytoma in the distal third of the arm ..... 184
**Peter RE → Weber D**
**Peuker E → Jerosch J**
**Pompe B → Antolič V**
**Pons M, Anglés F, Sánchez C, Matamala A, Cuchi E, Salavert M, Forcada P, Ferrer H:** Infected total hip arthroplasty – the value of intraoperative histology 34
**Postacchini F → Gumina S**

R

**Rasines JL → Garcés GL**
**Ravasi F → Sansone V**
**Reid R → Gerrand CH**
**Ribera Zabalbeascoa J, Santos Rodas A, Mella Sousa M, Uceda Carrascosa P, Benito Caparros M:** Transient osteoporosis of the hip ..... 244
**Ribera Zabalbeascoa J → Caparros AB**
**Rocca M → Torricelli P**
**Rodriguez-Merchan EC, Galindo E:** Intra-articular displaced fractures of the calcaneus. Operative vs non-operative treatment ..... 63
**Rondelet B → Veipel V**
**Rooze M → Veipel V**
**Rosa MA, Maccauro G, D'Arienzo M:** Bilateral acetabular fracture without trauma ..... 120
**Rosenthall L, Bobyn JD, Tanzer M:** Bone densitometry: influence of prosthetic design and hydroxyapatite coating on regional adaptive bone remodelling ..... 325

S

**Sakai H, Tamai K, Iwamoto A, Saotome K:** Para-articular chondroma and osteochondroma of the infrapatellar fat pad: a report of three cases ..... 114
**Sakai T, Sugano N, Nishii T, Haraguchi K, Ochi T, Ohzono K:** Stem length and canal filling in uncemented custom-made total hip arthroplasty ..... 219
**Salavert M → Pons M**
**Sánchez C → Pons M**
**Sanjay BKS, Moreau PG:** Limb salvage surgery in bone tumour with modular endoprosthesis ..... 41
**Sansone V, De Ponti A, Ravasi F:** An extra-articular cause of locking knee ..... 118
**Santonja F → Garcés GL**
**Santos Rodas A → Ribera Zabalbeascoa J**
**Santos-Alvarez I → Delgado-Baeza E**
**Sanzana ES → Dümmer RE**
**Saotome K → Sakai H**
**Sápi Z → Antal I**
**Saridogan K → Aktas S**
**Scarlat MM, Cuny C, Goldberg BA, Harryman II DT, Matsen FA:** The lateral impaction of the shoulder ..... 302
**Schmid A → Vocke AK**
**Schmidt B → Martini F**
**Schneider MA → Volkmann R**
**Schneider U → Geiger F**
**Schwarz Lausten G:** Non-traumatic necrosis of the femoral head ..... 193
**Schwarz Lausten G → Stephenson SL**
**Schwiwy-Bochat K-H → Kladny B**
**Scott J → Unwin A**
**Sell S → Martini F**
**Shardlow DL, Giannoudis PV, Matthews SJ, Smith RM:** Stabilisation of acute femoral fractures in Paget's disease ..... 283

Page

**Simank H-G, Brocai DRC, Strauch K, Lukoschek M:** Core decompression in osteonecrosis of the femoral head: risk-factor-dependent outcome evaluation using survivorship analysis ..... 154
**Simic PM → Tolo ET**
**Simon P, Jobard D, Bistour L, Babin SR:** Complications of Marchetti locked nailing for humeral shaft fractures 320
**Singh T → Anand S**
**Smart D → Sutherland AG**
**Smith RM → Dinopoulos HT**
**Smith RM → Shardlow DL**
**Song HR, Cho SH, Koo KH, Jeong ST:** Spontaneous healing of an athrophic pseudoarthrosis during femoral lengthening. A case report with six-year follow-up 126
**Sorbie C:** Introduction ..... 1
**Sousa M → Caparros AB**
**Stanič U → Antolič V**
**Stephenson SL, Schwarz Lausten G, Thomsen HS, Bjerregaard B:** Liposarcoma in association with total hip replacement ..... 187
**Stražar K → Antolič V**
**Strauch K → Simank H-G**
**Sugano N → Sakai T**
**Süleymanlar G → Gür S**
**Sumen Y, Ochi M, Deie M, Adachi N, Ikuta Y:** Ganglion cysts of the cruciate ligaments detected by MRI ..... 58
**Sutherland AG, D'Arcy S, Smart D, Ashcroft GP:** Abductor weakness and stresses around acetabular components of total hip arthroplasty: a finite element analysis 275
**Swoboda B → Kladny B**
**Szendröi M → Antal I**

T

**Takagishi H → Akiyoshi Y**
**Takai S, Yoshino N, Hirasawa Y:** Unusual proximal tibiofibular synostosis ..... 363
**Takatori Y → Kanai H**
**Takatori Y → Nakamura S**
**Takita T → Nawata K,**
**Tamai K → Sakai H**
**Tandogan RN → Tuncay IC**
**Tani Y → Inoue K**
**Tanzer M → Rosenthall L**
**Tejero A → Arenas A**
**Teshima R → Nawata K,**
**Thomsen HS → Stephenson SL**
**Thomson NL:** Address of the Congress President ..... 2
**Thorngren K-G → Tolo ET**
**Tillman RM → Abudu A**
**Tolo ET, Bostrom MPG, Simic PM, Lyden JP, Cornell CM, Thorngren K-G:** The short term outcome of elderly patients with hip fractures ..... 279
**Tomeno B → Jeanrot C**
**Tonino AJ:** Spontaneous or traumatic premature closure of the tibial tubercle ..... 71
**Torricelli P, Fini M, Rocca M, Giavaresi G, Giardino R:** Xenogenic demineralized bone matrix: osteoinduction and influence of associated skeletal defects in heterotopic bone formation in rats ..... 178
**Tsoutsanis A → Konstantoulakis C**
**Tuncay IC, Demirörs H, Isiklar ZU, Agildere M, Demirhan B, Tandogan RN:** Calcific myonecrosis ..... 68
**Ture M → Aktas S**
**Tüzüner S → Gür S**

U

**Uceda Carrascosa P → Caparros AB**
**Uceda Carrascosa P → Ribera Zabalbeascoa J**

Page

**Umeyama T → Nakamura S**
**Unwin A, Scott J:** Nerve palsy after hip replacement: medico-legal implications ..... 133
**Ushiyama T → Inoue K**
**Utrilla-Mainz V → Delgado-Baeza E**

V

**Vastel L, Kerboull L, Dejean O, Courpied J-P, Kerboull M:** Prevention of heterotopic ossification in hip arthroplasty. The influence of the duration of treatment 107
**Veipel V, Rondelet B, LePallec JP, DeWitte O, Rooze M:** The use of disharmonic motion curves in problems of the cervical spine ..... 205
**Vengust R → Antolič V**
**Vocke AK, Schmid A:** Prevention of skin and soft tissue entrapment in tibial segment transportation .....
**Volkmann R, Schneider MA, Bretschneider C, Weise** 249
**K:** More failures of uncemented acetabular screw-rings than of cemented polyethylene cups in total hip arthroplasties ..... 138

W

**Weber D, Peter RE:** Distal femoral fractures after knee arthroplasty ..... 236

Page

**Weise K → Eingartner C**
**Weise K → Volkmann R**
**Weseloh G → Kladny B**
**Witonski D:** Anterior knee pain syndrome ..... 341
**Witzel U → Jerosch J**

Y

**Yagi M → Kurosaka M**
**Yamamoto M → Nakamura S**
**Yamamoto T, Mizuno K:** Spontaneous pneumothorax without any detectable pulmonary metastases in a patient with osteosarcoma ..... 361
**Yilmaz H → Gür S**
**Yoshino N → Takai S**
**Yoshiya S → Kurosaka M**

Z

**Zichner L → Graichen H**

**Letters to the editor** ..... 131, 191

**Book reviews** ..... 132, 190, 252, 312